



IMAGINE
2856

Practitioner's Docket No. 1012-174(2002-063)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Oleg Kolosov, Leonid Matsiev

Application No.: 10/663,141

Group No.: 2856

Filed: September 16, 2003

Examiner: Unknown

For: HIGH THROUGHPUT RHEOLOGICAL TESTING OF MATERIALS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants submit this statement in accordance with their duty of disclosure under 37 CFR 1.56 and 1.97-1.98. The submission made herewith is in no way intended as an admission that the cited items constitute material prior art or otherwise would render the claims unpatentable in any way. The submission also is in no way intended to substitute for the Examiner's own independent investigation.

Copies of foreign patent documents and non-patent literature together with a listing on forms PTO/SB/08A and PTO/SB/08B are submitted herewith. Copies of cited U.S. patents and U.S. patent application publications have not been provided due to the waiver of the requirement under 37 CFR 1.98 (a)(2)(i). Applicants respectfully solicit

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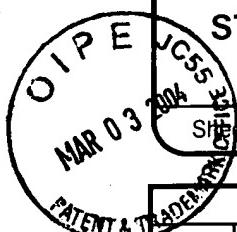
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A handwritten signature in black ink that reads "Scott Chapple".

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Sheet

1

of 6

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Application Number	10/663,141
Filing Date	09/16/2003
First Named Inventor	Kolosov
Group Art Unit	2856
Examiner Name	Unknown

Attorney Docket Number 1012-174

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		1,870,412		H.T. Kennedy	08/09/1932	
		3,071,961		J. J. Heigl et al.	01/08/1963	
		3,675,475		Weinstein	07/11/1972	
		3,713,328		Aritomi	01/30/1973	
		3,798,960		Glass	03/26/1974	
		3,805,598		Corcoran	04/23/1974	
		3,818,751		Karper et al.	06/25/1974	
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		4,447,125		Lazay et al.	05/08/1984	
		4,517,830		Gunn, deceased et al.	05/21/1985	
		4,567,774		Manahan et al.	02/04/1986	
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		4,599,219		Cooper et al.	07/08/1986	
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		4,605,589		Orphanides	08/12/1986	
		4,680,958		Ruelle et al.	07/21/1987	

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		WO 96/11878		Reg. of the Univ. of Calif.	04/25/1996		
		WO 98/15501		Symyx Technologies	04/16/1998		
		WO 99/18431		Symyx Technologies	04/15/1999		
		WO 00/17413		Symyx Technologies	03/30/2000		
		WO 00/23921		Symyx Technologis, Inc.	04/27/2000		
		WO 00/36410 A1		Symyx Technologies, Inc.	06/22/2000		
		WO 00/40331		Symyx Technologies, Inc.	07/13/2000		
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		WO 00/67086		Symyx Technologies, Inc.	11/09/2000		
		EP 1 158 290 A2		Symyx Technologies, Inc.	11/28/2001		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/663,141
		Filing Date	09/16/2003
		First Named Inventor	Kolosov
		Group Art Unit	2856
		Examiner Name	Unknown
Sheet	2	of	6
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Examiner Initials*	Cite No. ¹	U.S. Patent Document	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
		Number				
	4,685,328		Huebner et al.	08/11/1987		
	4,699,000		Lashmore et al.	10/13/1987		
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	4,789,236		Hodor et al.	12/06/1988		
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	5,008,081		Blau et al.	04/16/1991		
	5,051,239		von der Goltz	09/24/1991		
	5,092,179		Ferguson	03/03/1992		
	5,115,669		Fuller et al.	05/26/1992		
	5,142,900		Duke	09/01/1992		
	5,193,383		Burnham et al.	03/16/1993		
	5,236,998		Lundeen et al.	08/17/1993		

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		Number	Kind Code ² (if known)			
	5,269,190	Kramer et al.	12/14/1993			
	5,271,266	Eschbach	12/21/1993			
	5,272,912	Katsuzaki	12/28/1993			
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	5,626,779	Okada	05/06/1997			
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Sheet	4	of	6
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		Number	Kind Code ² (if known)			
		5,728,532		Ackley	03/17/1998	
		5,756,883		Forbes	05/26/1998	
		5,764,068		Katz et al.	06/09/1998	
		5,776,359		Schultz et al.	07/07/1998	
		5,817,947		Bergerus	10/06/1998	
		5,821,407		Sekiguchi et al.	10/13/1998	
		5,847,283		Finot et al.	12/08/1998	
		5,877,428		Scolton	03/02/1999	
		5,892,157		Syre	04/06/1999	
		5,922,967		Motoyama	07/13/1999	
		5,959,297		Weinberg et al.	09/28/1999	
		5,985,356		Schultz et al.	11/16/1999	
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		6,013,199		McFarland et al.	01/11/2000	
		6,030,917		Weinberg et al.	02/29/2000	
		6,033,913		Morozov et al.	03/07/2000	
		6,034,240		La Pointe	03/07/2000	
		6,034,775		McFarland et al.	03/07/2000	

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		Number	Kind Code ² (if known)			
	6,040,193			Winkler et al.	03/21/2000	
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	6,225,487			Guram	05/01/2001	
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		Number			
	6,242,623		Boussie et al.	06/05/2001	
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	6,294,388		Petro	09/25/2001	
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	6,658,429		Dorsett, Jr. et al.	12/02/2003	

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First Named Inventor

Oleg Kolosov

Art Unit

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		Number-Kind Code ² (if known)			
		US- 6,535,284	03/18/2003	Carlson et al.	
		US- 6,690,179	02/10/2004	Hajduk et al.	
		US- 6,650,102	11/18/2003	Hajduk	
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		US- 4,402,215	09/06/1983	Guastavino	
		US- 5,365,776	11/22/1994	Lehmann et al.	
		US- 2003/0041672	03/06/2003	Hajduk et al.	
		US- 2003/0037620	02/27/2003	Mansky	
		US- 2003/0041663	03/06/2003	Kossuth et al.	
		US- 2003/0037601	02/27/2003	Mansky et al.	
		US- 2003/0203500	10/30/2003	Carlson et al.	
		US- 2003/0097871	05/29/2003	Manksy	
		US- 2003/0218467	11/27/2003	Carlson	
		US- 2002/0098471	Weinberg et al.	07/25/2002	

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Substitute for form 1449A/PTO				<i>Complete if Known</i>	
				Application Number	10/663,141
				Filing Date	09/16/2003
				First Named Inventor	Oleg Kolosov
				Art Unit	2856
				Examiner Name	Unknown
(Use as many sheets as necessary)					
Sheet	1	of	1	Attorney Docket Number	
1012-174					

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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Substitute for form 1449B/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	10/663,141
(use as many sheets as necessary)			Filing Date	09/16/2003
			First Named Inventor	Kolosov
			Group Art Unit	2856
			Examiner Name	Unknown
Sheet 1 of 0			Attorney Docket Number	1012-174

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
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		U.S. Application Serial No. 09/420,334 entitled " Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 18, 1999
		U.S. Application Serial No. 09/550,549 entitled "Automated Process Control And Data Management System And Methods" (Crevier, et al.) filed on April 14, 2000
		The family of applications for U.S. Application Serial No. 09/227,558 entitled, "Apparatus and Method of Research for Creating and Testing Novel Catalysts, Reactions and Polymers" (Turner et al.) filed January 8, 1999
		U.S. Provisional Application Serial No. 60/122,704 entitled "Controlled, Stable Free Radical Emulsion and Water-Based Polymerizations" (Klaerner et al.) filed on March 9, 1999
		The family of applications for U.S. Application Serial No. 09/567,598 entitled "Polymer Libraries on a Substrate, Method for Forming Polymer Libraries on a Substrate and Characterization Methods with Same" (Boussie et al.) filed May 10, 2000
		The family of applications for U.S. Patent Application Serial No. 09/174,856 titled "Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 19, 1998.
		The family of applications for U.S. Application Serial No. 09/156,827 entitled "Formation of Combinatorial Arrays of Materials Using Solution-Based Methodologies" (Giaquinta et al.) filed September 18, 1998
		U.S. Provisional Patent Application Serial No. 60/371,357 filed on April 10, 2002.
		U.S. Application Serial No. 10/274,184 filed October 18, 2002

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/663,141
(use as many sheets as necessary)		Filing Date	09/16/2003
Sheet	1	First Named Inventor	Kolosov
of 0		Group Art Unit	2856
		Examiner Name	Unknown
		Attorney Docket Number	1012-174

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		ODIAN, Principles of Polymerization, 3rd Ed., John Wiley & Sons, Inc. (1991)
		YOUNG, W.C., Roark's Formulas for Stress and Stain, 1989
		TIMOSHENKO, S., Theory of Plates and Shells, McGraw-Hill, New York 1940
		OSTERBERG, Peter M. and Stephen D. Senturia, "M-TEST: A Test Chip for MEMS Material Property Measurement Using Electrostatically Actuated Test Structures," Journal of Microelectromechanical Systems, Vol. 6, No. 2, June 1997
		KIM, J.O. and B. Lewis Slaten, "Objective Assessment of Fabric Handle in Fabrics Treated With Flame Retardants," Journal of Testing and Evaluation, JTEVA, Vol. 24, No. 4, July 1996, pp. 223-228.
		GROVER, G. et al., "A Screening Technique for Fabric Handle", J. Text. Inst., 1993, 84 No. J. Textile Institute, pp. 486-494.
		PAN, NING and K.C. Yen, "Physical Interpretations of Curves Obtained Through the Fabric Extraction Process for Handle Measurement," Textile Research Journal 62(5), pp. 279-290 (1992).
		"Handle-O-Meter", Thwing-Albert Instrument Company, Philadelphia, PA.
		RAEEL, MASTURA and Jiang Liu, "An Empirical Model for Fabric Hand" Textile Research Journal 62, 1, pp. 31-38 (1991).
		ALI, S.I. and Shahida Begum, "Fabric Softeners and Softness Perception", Ergonomics, v.37, No. 5, pp. 801-806 (1994).

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			First Named Inventor	Kolosov
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			Examiner Name	Unknown
Sheet 1 of 0			Attorney Docket Number	1012-174

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		"DMA 2980 Dynamic Mechanical Analyer," http://www.tainst.com/dma2.html , 12/29/00
		"Introducing the NEW DMTA V!", http://www.rheometricscientific.com/dmtaV.htm , 12/29/00
		"Standard Test Method for Rubber Property-International Hardness," American Society for Testing and Materials
		AMITAY-SADOVSKY, ELLA and H. Daniel Wagner, "Evaluation of Young's Modulus of Polymers from Knoop Microindentation Tests" Polymer Communications, 1998, vol. 39, no. 11, pp. 2387-2390.
		CALLEJA, F.J. BALTA, "Microhardness Studies of Polymers and Their Transitions" TRIP, December 1994, vol. 2, no. 12, pp. 419-425
		BOWLT, C., "A Simple Capillary Viscometer" Physics Education, March 1975, vol. 10, no. 2, pp. 102-103
		LACOMBE, ROBERT H. and Jeremy Greenblatt, "Mechanical Properties of Thin Polyimide Films" pp. 647-668
		SHINOZAKI, D.M. and Y. Lu, "Micro-Indentation Relaxation Measurements in Polymer Thin Films" Journal of Electronic Materials, 1997, vol. 26, no. 7, pp. 852-858
		WIERENGA, P.E. and A.J.J. Franken, "Ultramicroindentation Apparatus for the Mechanical Characterization of Thin Films" J. Appl. Phys., June 15, 1984, 55 (12).
		European Search Report dated December 10, 2001

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